

In the Claims:

1. A computer program product for execution by a server computer for automatically generating program code, comprising:

computer code for creating a class file container object;

computer code for adding a method to the class file object;

computer code for adding code to the method;

computer code for generating Java byte code for the class file container object;

and

computer code for generate an instance of the new class file object.

2. The computer program product of claim 1 wherein creating a class file container object includes:

setting attributes for a class file.

3. The computer program product of claim 2 the attributes include at least one of class file name, parent super.

4. The computer program product of claim 1 wherein adding a method to the class file object includes:

adding a plurality of methods to the class file object.

5. The computer program product of claim 1 wherein adding code to the method includes

adding code to the method using constructs that correspond to programming language statements, expressions, and variables.

6. The computer program product of claim 5 wherein the constructs include parameters.

7. The computer program product of claim 5 wherein each statement, expression type, variable is represented as an object.

8. The computer program product of claim 1 wherein generating Java byte code for the class file container object includes:

generating an intermediate representation of program flow.

9. The computer program product of claim 8 wherein generating Java byte code for the class file container object includes:

converting the intermediate representation into byte code.

10. The computer program product of claim 1 wherein the program code implements an adaptor class.

11. The computer program product of claim 1 wherein the program code implements a proxy class.